

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/823,218  
Source: 1FW16  
Date Processed by STIC: 12/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/823,218</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>    </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>    </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>    </u> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>    </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>    </u> Variable Length	Sequence(s) <u>    </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>    </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u>    </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>    </u> Skipped Sequences (OLD RULES)	Sequence(s) <u>    </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>    </u> Skipped Sequences (NEW RULES)	Sequence(s) <u>    </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>    </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>    </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>    </u> Use of <220>	Sequence(s) <u>    </u> missing the <220> "Feature" and associated numeric identifiers and responses Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>    </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>    </u> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,218

DATE: 12/20/2005

TIME: 15:02:54

Input Set : A:\10823218.txt

Output Set: N:\CRF4\12202005\J823218.raw

3 <110> APPLICANT: Marchant, Roger E  
 4 Ruegsegger, Mark A  
 5 Zhang, Tianhong  
 6 Qiu, Yongxing  
 8 <120> TITLE OF INVENTION: Methods of making and using surfactant polymers  
 10 <130> FILE REFERENCE: 26526-15  
 12 <140> CURRENT APPLICATION NUMBER: 10/823,218  
 13 <141> CURRENT FILING DATE: 2004-04-13  
 15 <150> PRIOR APPLICATION NUMBER: 09/302,195  
 16 <151> PRIOR FILING DATE: 1999-04-29  
 18 <160> NUMBER OF SEQ ID NOS: 10  
 20 <170> SOFTWARE: PatentIn version 3.3  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 3  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: hydrophilic oligopeptide  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: PEPTIDE  
 30 <222> LOCATION: (1)..(3)  
 32 <400> SEQUENCE: 1  
 34 Arg Gly Asp  
 35 1  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 4  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: hydrophilic oligopeptide  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: PEPTIDE  
 46 <222> LOCATION: (1)..(4)  
 48 <400> SEQUENCE: 2  
 50 Arg Gly Asp Ser  
 51 1  
 54 <210> SEQ ID NO: 3  
 55 <211> LENGTH: 5  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: hydrophilic oligopeptide  
 60 <220> FEATURE:  
 61 <221> NAME/KEY: PEPTIDE  
 62 <222> LOCATION: (1)..(5)  
 64 <400> SEQUENCE: 3  
 66 Arg Gly Asp Ser Pro  
 67 1 5  
 70 <210> SEQ ID NO: 4

pp 1-3

Does Not Comply  
Corrected Diskette Needed  
invalid <213> response

See item 10 on Error  
Summary  
Sheet.

PYI: If this is  
an Artificial Sequence,  
"hydrophilic oligopeptide"  
would not be a sufficient  
explanation because it  
does not give source  
of genetic material.  
(See item 11 on Error  
Summary Sheet.)

## RAW SEQUENCE LISTING

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Input Set : A:\10823218.txt

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71 <211> LENGTH: 4  
72 <212> TYPE: PRT  
73 <213> ORGANISM: hydrophilic oligopeptide  
76 <220> FEATURE:  
77 <221> NAME/KEY: PEPTIDE  
78 <222> LOCATION: (1)..(4)  
80 <400> SEQUENCE: 4  
82 Arg Arg Ala Arg  
83 1  
86 <210> SEQ ID NO: 5  
87 <211> LENGTH: 6  
88 <212> TYPE: PRT  
89 <213> ORGANISM: hydrophilic oligopeptide  
92 <220> FEATURE:  
93 <221> NAME/KEY: PEPTIDE  
94 <222> LOCATION: (1)..(6)  
96 <400> SEQUENCE: 5  
98 Arg Arg Arg Lys Arg Arg  
99 1 5  
102 <210> SEQ ID NO: 6  
103 <211> LENGTH: 8  
104 <212> TYPE: PRT  
105 <213> ORGANISM: hydrophilic oligopeptide  
108 <220> FEATURE:  
109 <221> NAME/KEY: PEPTIDE  
110 <222> LOCATION: (1)..(8)  
112 <400> SEQUENCE: 6  
114 Pro Pro Arg Arg Ala Arg Val Thr  
115 1 5  
118 <210> SEQ ID NO: 7  
119 <211> LENGTH: 11  
120 <212> TYPE: PRT  
121 <213> ORGANISM: hydrophilic oligopeptide  
124 <220> FEATURE:  
125 <221> NAME/KEY: PEPTIDE  
126 <222> LOCATION: (1)..(11)  
128 <400> SEQUENCE: 7  
130 Pro Pro Arg Glu Val Val Pro Arg Pro Arg Pro  
131 1 5 10  
134 <210> SEQ ID NO: 8  
135 <211> LENGTH: 11  
136 <212> TYPE: PRT  
137 <213> ORGANISM: hydrophilic oligopeptide  
140 <220> FEATURE:  
141 <221> NAME/KEY: PEPTIDE  
142 <222> LOCATION: (1)..(11)  
144 <220> FEATURE:  
145 <221> NAME/KEY: PEPTIDE  
146 <222> LOCATION: (1)..(11)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/823,218

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Input Set : A:\10823218.txt

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147 <223> OTHER INFORMATION: (X) *Xaa ← replace with* = alanine or another hydrophobic amino acid residue

149 &lt;400&gt; SEQUENCE: 8

OK 151 Gly Ser Ser Ser Gly Arg Gly Asp Ser Pro Xaa

152 1 5 10

155 &lt;210&gt; SEQ ID NO: 9

156 &lt;211&gt; LENGTH: 5

157 &lt;212&gt; TYPE: PRT

158 &lt;213&gt; ORGANISM: hydrophilic oligopeptide

160 &lt;400&gt; SEQUENCE: 9

162 Arg Arg Lys Arg Arg

163 1 5

166 &lt;210&gt; SEQ ID NO: 10

167 &lt;211&gt; LENGTH: 10

168 &lt;212&gt; TYPE: PRT

169 &lt;213&gt; ORGANISM: hydrophilic oligopeptide

171 &lt;400&gt; SEQUENCE: 10

173 Pro Pro Arg Gly Val Val Pro Arg Pro Arg

174 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/823,218

DATE: 12/20/2005  
TIME: 15:02:55

Input Set : A:\10823218.txt  
Output Set: N:\CRF4\12202005\J823218.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 11

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/823,218

DATE: 12/20/2005

TIME: 15:02:55

Input Set : A:\10823218.txt

Output Set: N:\CRF4\12202005\J823218.raw

L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0